

*ABSTRACT AMENDMENTS*

Replace the Abstract with:

A small ball is formed at ~~the lower an~~ end of a second gold wire that is held and guided by a second capillary. The small ball has a diameter approximately equal to that of a first gold wire. The small ball is bonded to an electrode on an optical device. The second gold wire is separated from the small ball. A large ball is formed at the lower end of the first gold wire, ~~that which~~ is held and guided by a first capillary. The large ball is bonded to a wiring pattern on a external wiring substrate. The first capillary is moved upward, and then moved toward the small ball in the horizontal direction. ~~A bonding wire is formed with the~~ ~~The first gold wire connecting with~~ is connected to the large ball. The first gold wire is bonded to the small ball by stitch bonding, and then, separated from the small ball.